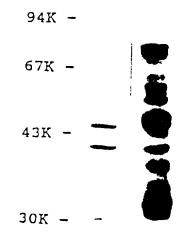
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FIG. 1

## A B



20.1K -

FIG. 2.

A B C D



FIG. 3.

## ABCDEF

1.5 kb -



FIG. 4.

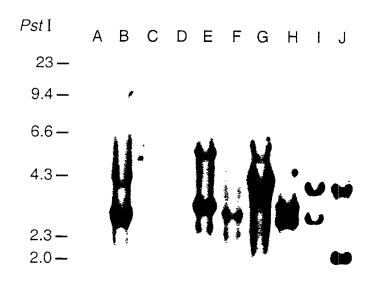


FIG.\_5

+

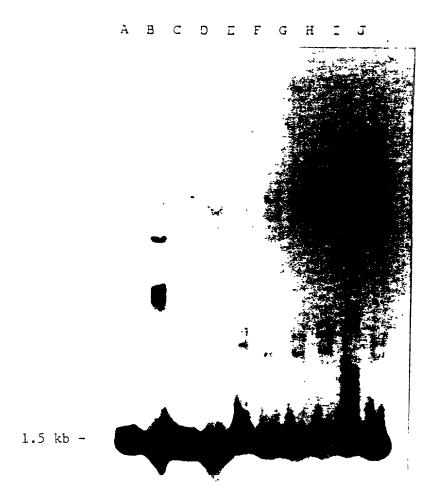
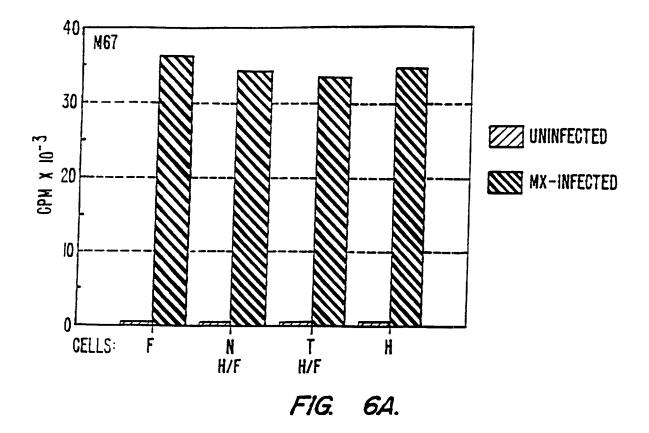
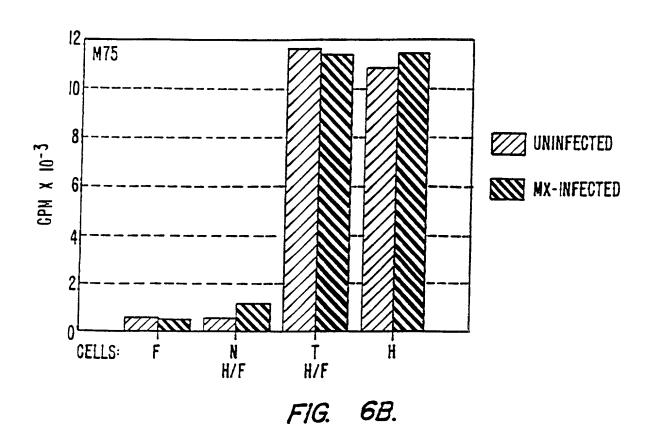
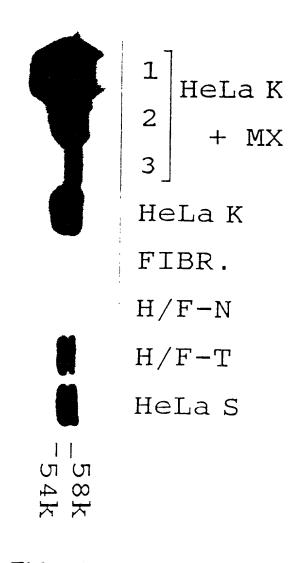


FIG. 5







F1G. 7.

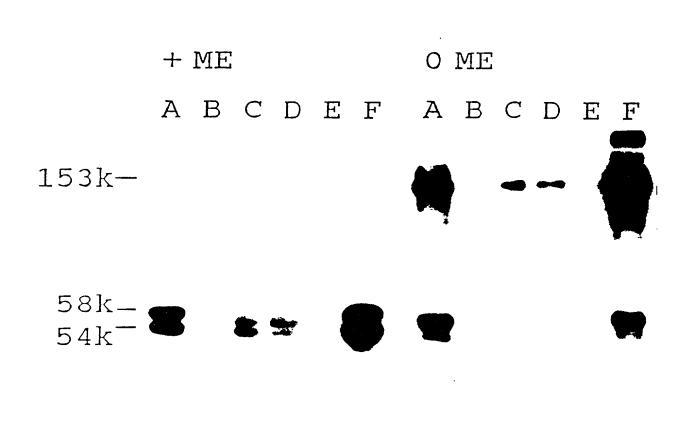


FIG. 8

Д 0 Z K L M  $\vdash$ G H 江 H CB A

58k-54k-





F/G 9.

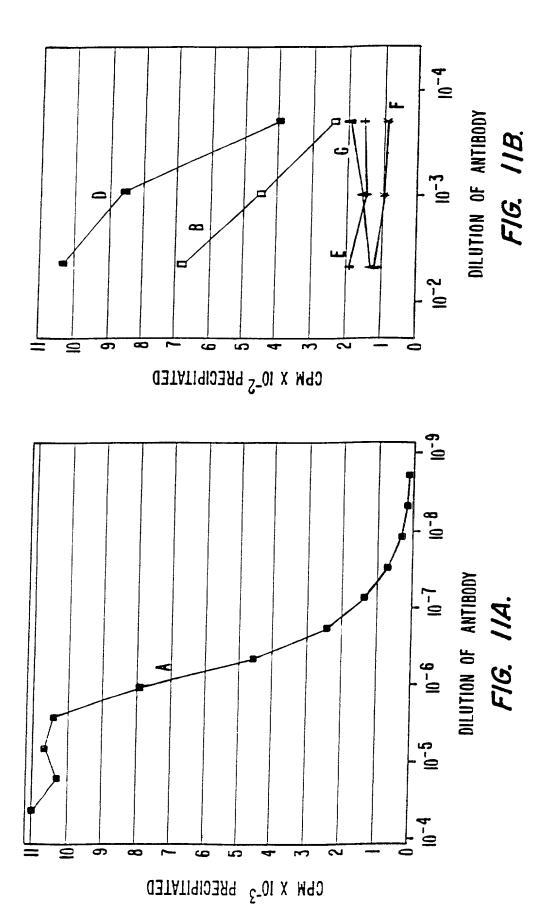
+ME OME

A B A B

153k-



FIG. 10.



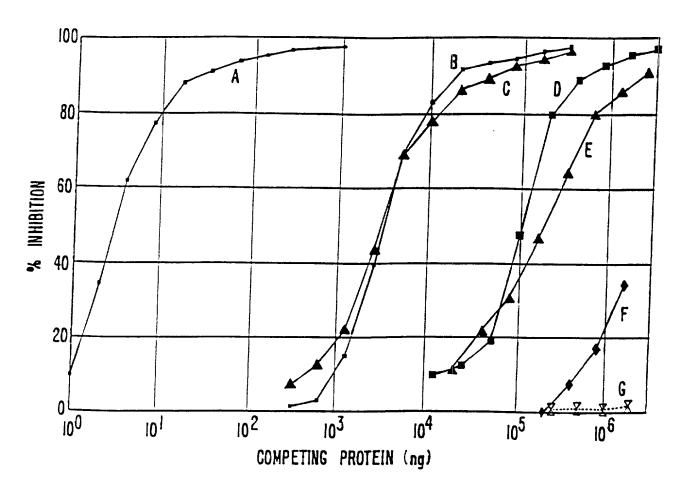


FIG. 12.

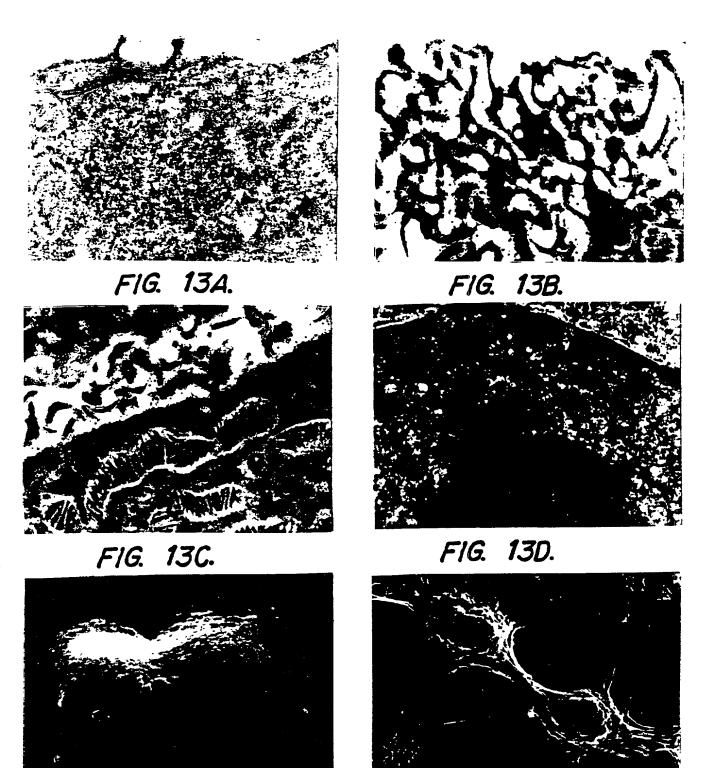


FIG. 13E.

FIG. 13F.

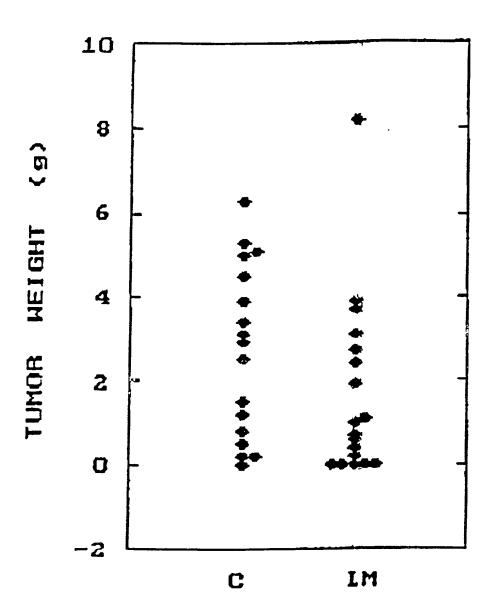


FIG. 14

1 ggatcctgtt gactcgtgac cttaccccca accctgtgct ctctgaaaca tgagctgtgt 61 ccactcaggg ttaaatggat taagggcggt gcaagatgtg ctttgttaaa cagatgcttg 121 aaggeageat getegttaag agteateace aateeetaat eteaagtaat eagggaeaea 181 aacactgcgg aaggccgcag ggtcctctgc ctaggaaaac cagagacctt tgttcacttg 241 tttatctgac cttccctcca ctattgtcca tgaccctgcc aaatccccct ctgtgagaaa 361 aaaaaaaaa gacttacgaa tagttattga taaatgaata gctattggta aagccaagta 421 aatgatcata ticaaaacca gacggccatc atcacagctc aagtctacct gatttgatct 481 ctttatcatt gtcattcttt ggattcacta gattagtcat catcctcaaa attctccccc 541 aagttetaat tacgttecaa acatttaggg gttacatgaa gettgaacet actacettet 601 ttgcttttga gccatgagtt gtaggaatga tgagtttaca ccttacatgc tggggattaa 661 tttaaacttt acctctaagt cagttgggta gcctttggct tatttttgta gctaattttg 721 tagttaatgg atgcactgtg aatcttgcta tgatagtttt cctccacact ttgccactag 781 gggtaggtag gtactcagtt ttcagtaatt gcttacctaa gaccctaagc cctatttctc 841 ttgtactggc ctttatctgt aatatgggca tatttaatac aatataattt ttggagtttt 901 tttgtttgtt tgtttgtttg tttttttgag acggagtctt gcatctgtca tgcccaggct 961 ggagtageag tggtgecate teggeteact geaageteea cetecegagt teaegeeatt 1021 ttcctgcctc agcctcccga gtagctggga ctacaggcgc ccgccaccat gcccggctaa 1081 ttttttgtat ttttggtaga gacggggttt caccgtgtta gccagaatgg tctcgatctc 1141 ctgacttcgt gatccacccg cctcggcctc ccaaagttct gggattacag gtgtgagcca 1201 ccgcacctgg ccaatttttt gagtctttta aagtaaaaat atgtcttgta agctggtaac 1261 tatggtacat ttccttttat taatgtggtg ctgacggtca tataggttct tttgagtttg 1321 gcatgcatat gctacttttt gcagtccttt cattacattt ttctctcttc atttgaagag 1381 catgitatat cittitagcit cacitggcit aaaaggitci cicattagcc taacacagtg 1441 tcattgttgg taccacttgg atcataagtg gaaaaacagt caagaaattg cacagtaata 1501 cttgtttgta agagggatga ttcaggtgaa tctgacacta agaaactccc ctacctgagg 1561 tetgagatte etetgaeatt getgtatata ggetttteet ttgaeageet gtgaetgegg 1621 actattttc ttaagcaaga tatgctaaag ttttgtgagc ctttttccag agagaggtct 1681 catatetgea teaagtgaga acatataatg tetgeatgtt tecatattte aggaatgttt 1741 gcttgtgttt tatgctttta tatagacagg gaaacttgtt cctcagtgac ccaaaagagg 1801 tgggaattgt tattggatat catcattggc ccacgctttc tgaccttgga aacaattaag 1861 ggttcataat ctcaattctg tcagaattgg tacaagaaat agctgctatg tttcttgaca 1921 ttccacttgg taggaaataa gaatgtgaaa ctcttcagtt ggtgtgtgtc cct?gttttt 1981 ttgcaatttc cttcttactg tgttaaaaaa aagtatgatc ttgctctgag aggtgaggca 2041 ttcttaatca tgatctttaa agatcaataa tataatcctt tcaaggatta tgtctttatt 12101 ataataaaga taatttgtct ttaacagaat caataatata atcccttaaa ggattatatc 2161 tttgctgggc gcagtggctc acacctgtaa tcccagcact ttgggtggcc aaggtggaag 2221 gatcaaattt geetaettet atattatett etaaageaga atteatetet etteeeteaa 2281 tatgatgata ttgacagggt ttgccctcac tcactagatt gtgagctcct gctcagggca 2341 ggtagegttt tttgtttttg tttttgtttt tettttttga gacagggtet tgetetgtea 2401 cccaggccag agtgcaatgg tacagtctca gctcactgca gcctcaaccg cctcggctca 2461 aaccatcatc ccatttcagc ctcctgagta gctgggacta caggcacatg ccattacacc 2521 tggctaattt ttttgtattt ctagtagaga cagggtttgg ccatgttgcc cgggctggtc 2581 tegaacteet ggaeteaage aateeaceea ceteageete eeaaaatgag ggaeegtgte 2641 ttattcattt ccatgtccct agtccatagc ccagtgctgg acctatggta gtactaaata 2701 aatatttgtt gaatgcaata gtaaatagca tttcagggag caagaactag attaacaaag 2761 gtggtaaaag gtttggagaa aaaaataata gtttaatttg gctagagtat gagggagagt 2821 agtaggagac aagatggaaa ggtctcttgg gcaaggtttt gaaggaagtt ggaagtcaga 2881 agtacacaat gtgcatatcg tggcaggcag tggggagcca atgaaggctt ttgagcagga 2941 gagtaatgtg ttgaaaaata aatataggtt aaacctatca gagcccctct gacacataca 3001 cttgcttttc attcaagctc aagtttgtct cccacatacc cattacttaa ctcaccctcg

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3241	ctgggtggtg	ccagggagag	cctocataot	gccaggtggt	gccttgggtt	ccaagctagt
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3481	cagctctcgt	ttccaatcca	gayttagttt	gcccccccc	tatactace	arcacayCyC
35/1	TCAGCCGCAT	GGCTCCCTC	TCCCCCAGCCC	gracacaccy	cacacradas	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
3601	רתר במכככב ביי	CACTETTECAN	TACCCCARC		TCIGIIGAIC	CUCCAMCCCCIG
3661	CTCCAGGCCT	CCCCAMCCAM	CIGCIGCIGI	CACIGCIGCI	TCTGGTGCCT	GICCAICCC
	AGAGGTTGCC					
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	CCGGAGAGGA			ATCTACCTGG		
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	CTCCTGGAGA	TCCTCAAGAA	CCCCAGAATA	ATGCCCACAG	GGACAAAGAA	Ggtaagtggt
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4021	ggctctgttc	actcagggaa	ggagggaga	ctgtactccc	cacagaagcc	cttccagagg
4081	tcccatacca	atatccccat	cccactctc	ggaggtagaa	agggacagat	gtggagagaa
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4561	tgaagtgccc	actcactttt	****	tttttaaaac	aaactttcac	ttttattacc
4521	caggctggag	tocaatooco	COSTATACA	tractorasc	ctccacctcc	conditional
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	cgtgagccac					
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4981	tctcctgtgc	LLLGCACCTG	gcccgcttaa	ggcatttgtt	acccgtaatg	ctcctgtaag
	gcatctgcgt					
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5281	tttctacccg	ggttccctaa	gttcctgacc	taggcgtcag	acttcctcac	tatactctcc
5341	caccccagGC	GACCCGCCCT	GGCCCCGGGT	GTCCCCAGCC	TGCGCGGGCC	GCTTCCAGTC
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5461	CCTGGGCTTC	CAGCTCCCGC	CGCTCCCAGA	ACTGCGCCTG	CGCAACAATG	GCCACAGTGg
	tgagggggtc					
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5641	ccctacgcag	TGCAACTGAC	CCACCCACCA	GGGCTAGAGA	TGGCTCTGGG	TCCCGGGCGG
5701	GAGTACCGGG	CTCTGCAGCT	GCATCTGCAC	TEGGGGGCTG	CAGGTCGTCC	GGGCTCGGAG
5761	CACACTGTGG	AAGGCCACCG	JAMAN CLANCIC	CAGOTOROCO	cogactogcc	gagaaggggg
5821	aaaggagcgg	aacaascaaa	TITCCCIOCC	otocctct	cctaccctca	tateetttte
5021	agATCCACGT	3303346333	Accaecagagae	THE CONCACT	TGACGAGGCC	ישיבינינינייי
50/1	CGGGAGGCCT	GGCCGTCTC	CCCCCCmmmc	TIGCCAGAGI	agatoctoge	Caccacacac
<b>とひひょ</b> コスポエ	tececattt	cccatcccat	actocititie	-Gangy Lace	trancesa	daccecetae
CUCT	teceegettt	actracere	geteeteeg	gactetateg	-yyayccaya	gattleatic
C171	cagcaagete	daaccaggeee	crygctgaca	adultatica	traarret-	geteattea
C1 01	cacccactgt	ccaccagged -	ccageceeca	acaayyatti	ryaeyttyta	ggtttttgtt
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6301	aggtattast	· +~~~				
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1747	cagcaagagt	acatagagtt	tgaaataata	cataggattt	taaqaqqqaq	acactototo
1201	Ladadadaa	aacaacagca	acaacaaaaa	qcaacaacca	ttacaatttt	atottecete
7201	agcattetea	gagctgagga	atqqqaqaqq	actatoggaa	cccccttcat	attecaacet
1321	tcagccatgg	ccctggatac	atgcactcat	ctgtcttaca	atotcattcc	CCCAGGAGGG
120T	CCCGGAAGAA	AACAGTGCCT	ATGAGCAGTT	GCTGTCTCGC	TTGGAAGAAA	TCGCTGAGGA
1441	AGGECAGEEE	grrggrergg	ccactaatct	ctataaccta	gttcataaag	aatcaccctt
120T	rggagerrea	ggtctgaggc	tggagatggg	ctccctccag	tacaggaggg	attgaaggat
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*ESTOT	ttgttggaaa	tegttetett	cttagtcact	cttgggtcat	tttaaatctc	acttactcta
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8821	CCCTCTGACT	TCAGCCGCTA	CTTCCAATAT	GAGGGGTCTC	TGACTACACC	GCCCTGTGCC
8881	CAGGGTGTCA	TCTGGACTGT	GTTTAACCAG	ACAGTGATGC	TGAGTGCTAA	GCAGatagac
8941	ctggggtgtg	tgtggacaca	gtagatacaa	gggaaagagg	atotaaoato	agatgagaaa
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3477	cccacactgt	ccactgacct	ccctagCTCC	ACACCCTCTC	TGACACCCTG	TGGGGACCTG
948T	GTGACTCTCG	GCTACAGCTG	AACTTCCGAG	CGACGCAGCC	TTTGAATGGG	CGAGTGATTG

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9601	tgtctggttt	cccccagcc	agtagtccct	tatcctccca	tgtgtgtgcc	agtgtctgtc
9661	attggtggtc	acagecegee	tctcacatct	cctttttctc	tccagTCCAG	CTGAATTCCT
9721	GCCTGGCTGC	TGgtgagtct	gccctcctc	ttggtcctga	tgccaggaga	ctcctcacca
9781	ccattcagcc	ccagggctgc	tcaggaccgc	ctctgctccc	tctccttttc	tgcagaacag
9841	accccaaccc	caatattaga	gaggcagatc	atootooooa	ttcccccatt	atccccaaaa
9901	gctaattgat	tagaatgaag	cttgagaaat	ctcccagcat	ccctctcgca	aaagaatccc
9961	ccccctttt	tttaaagata	gggtctcact	ctatttaccc	caggctgggg	tattataaca
10021	cgatcatagc	tcactgcage	ctcgaactcc	taggeteagg	caatcettte	accttagett
10081	ctcaaagcac	tgggactgta	ggcatgagcc	actotoccto	gccccaaacg	gcccttttac
10141	ttggctttta	ggaagcaaaa	acggtgctta	tettaccet	tctcgtgtat	ccaccctcat
10201	cccttggctg	gcctcttctg	gagactgagg	cactatoggg	ctgcctgaga	actcggggca
10261	ggggtggtgg	agtgcactga	ggcaggtgtt	gaggaactct	gcagacccct	cttccttccc
10321	aaagcagccc	tctctgctct	ccatcgcagG	TGACATCCTA	GCCCTGGTTT	TTGGCCTCCT
10381	TTTTGCTGTC	ACCAGCGTCG	CGTTCCTTGT	GCAGATGAGA	AGGCAGCACA	Ggtattacac
10441	tgaccctttc	ttcaggcaca	agcttcccc	acccttgtgg	agtcacttca	tgcaaagcgc
10501	atgcaaatga	gctgctcctg	ggccagtttt	ctgattagcc	tttcctgttg	totacacaca
10561	gAAGGGGAAC	CAAAGGGGGT	GTGAGCTACC	GCCCAGCAGA	GGTAGCCGAG	ACTGGAGCCT
10621	AGAGGCTGGA	TCTTGGAGAA	TGTGAGAAGC	CAGCCAGAGG	CATCTGAGGG	GGAGCCGGTA
10681	ACTGTCCTGT	CCTGCTCATT	ATGCCACTTC	CTTTTAACTG	CCAAGAAATT	TTTTAAAATA
10741	AATATTTATA	ATaaaatatg	tgttagtcac	ctttgttccc	caaatcagaa	ggaggtattt
<b>≇0801</b>	gaatttccta	ttactgttat	tagcaccaat	ttagtggtaa	tgcatttatt	ctattacagt
10861	tcggcctcct	tccacacatc	actccaatgt	gttgctcc	-	_

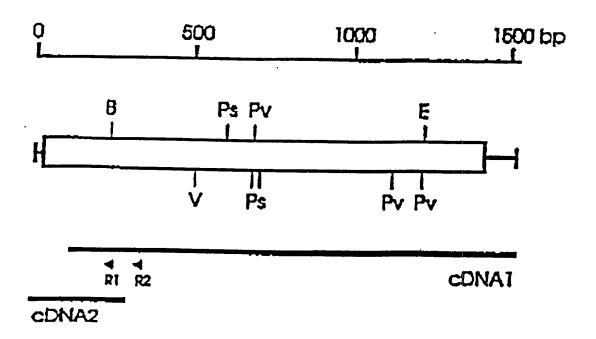


FIG. 16

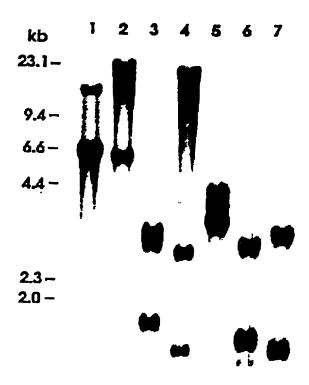


FIG. 17

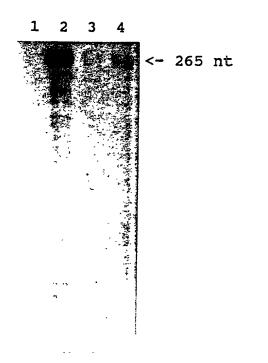


FIG 18a

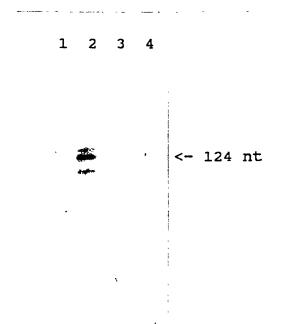


FIG. 18b

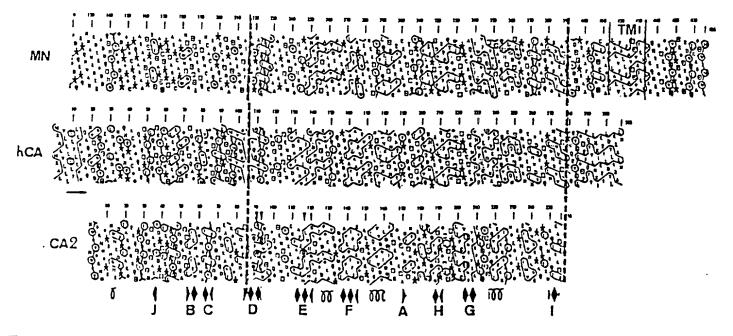


Fig. 19a

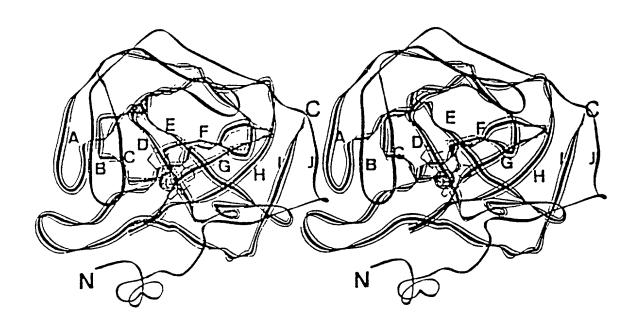


Fig. 19b

## 5' MN Genomic Region

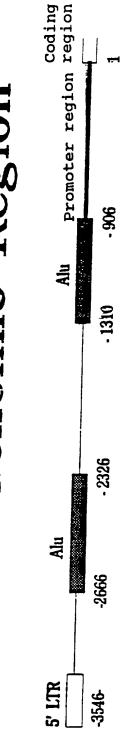


FIG. 20

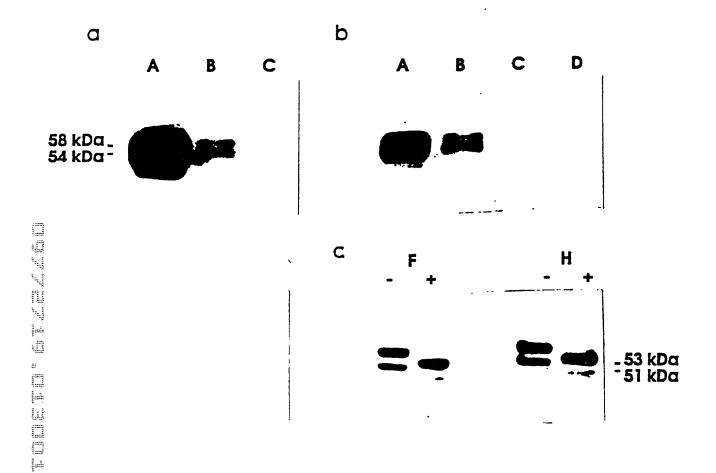


FIG. 21

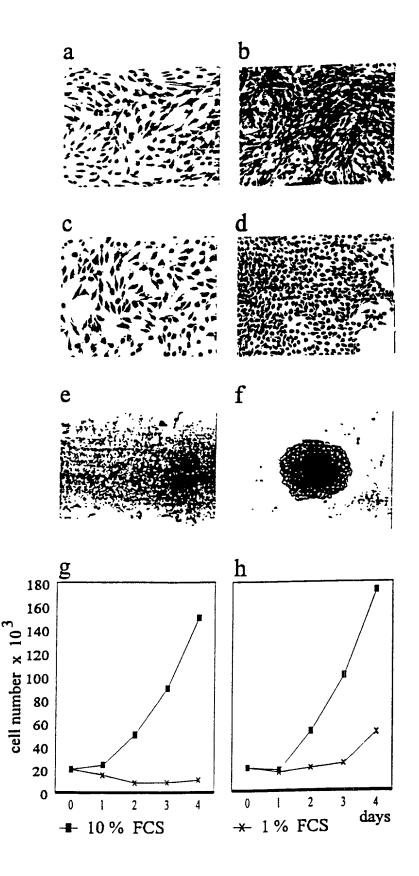


FIG. 22

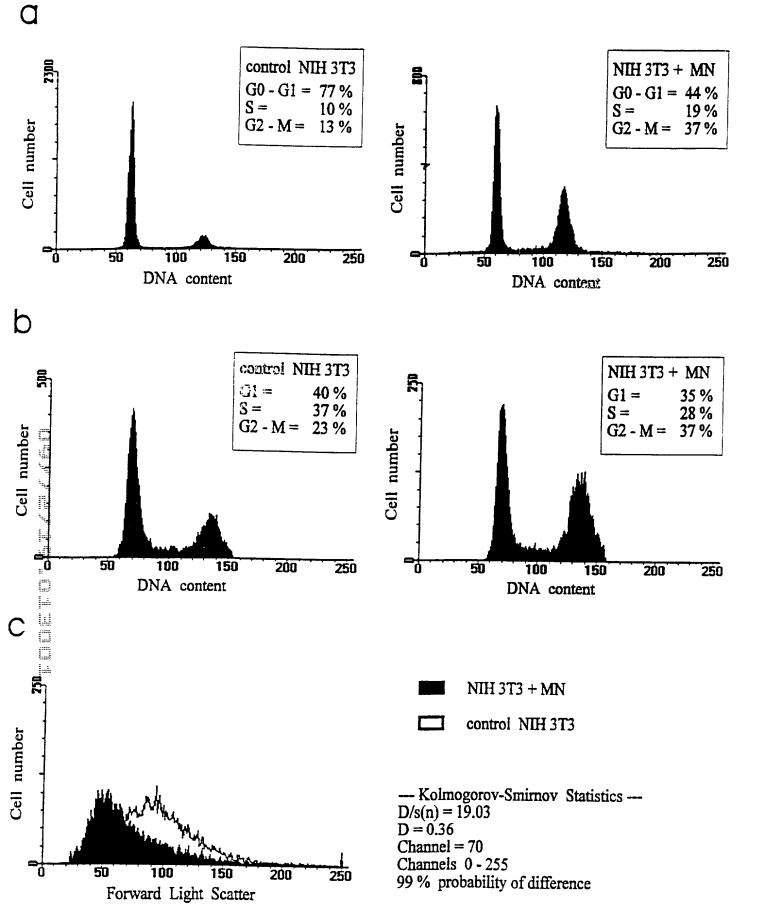


FIG. 23

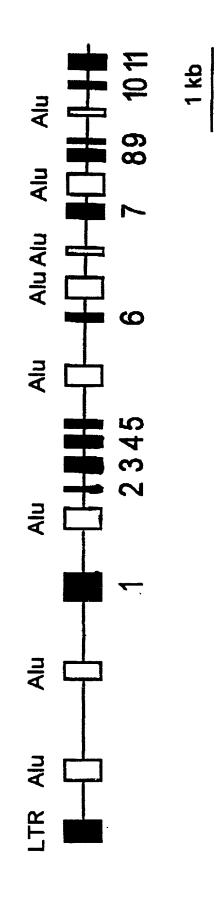


FIG. 24

-506 CTTGCTTTC ATTCAAGCTC AAGTTTGTCT CCCACATACC CATTACTTAA CTCACCCTCG

-446 GGCTCCCCTA GCAGCCTGCC CTACCTCTT ACCTGCTTCC TGGTGGAGTC AGGGATGTAT
AP2 AP2

-386 ACATGAGCTG CTTTCCCTCT CAGCCAGAGG ACATGGGGGG CCCCAGCTCC CCTGCCTTTC

-326 CCCTTCTGTG CCTGGAGCTG GGAAGCAGGC CAGGGTTAGC TGAGGCTGGC TGGCAAGCAG

-266 CTGGGTGGTG CCAGGGAGAG CCTGCATAGT GCCAGGTTGGT CCAAGCTAGT
p53

-206 CCATGGCCCC GATAACCTTC TGCCTGTGCA CACACCTGCC CCTCACTCCA CCCCCATCCT
Inr

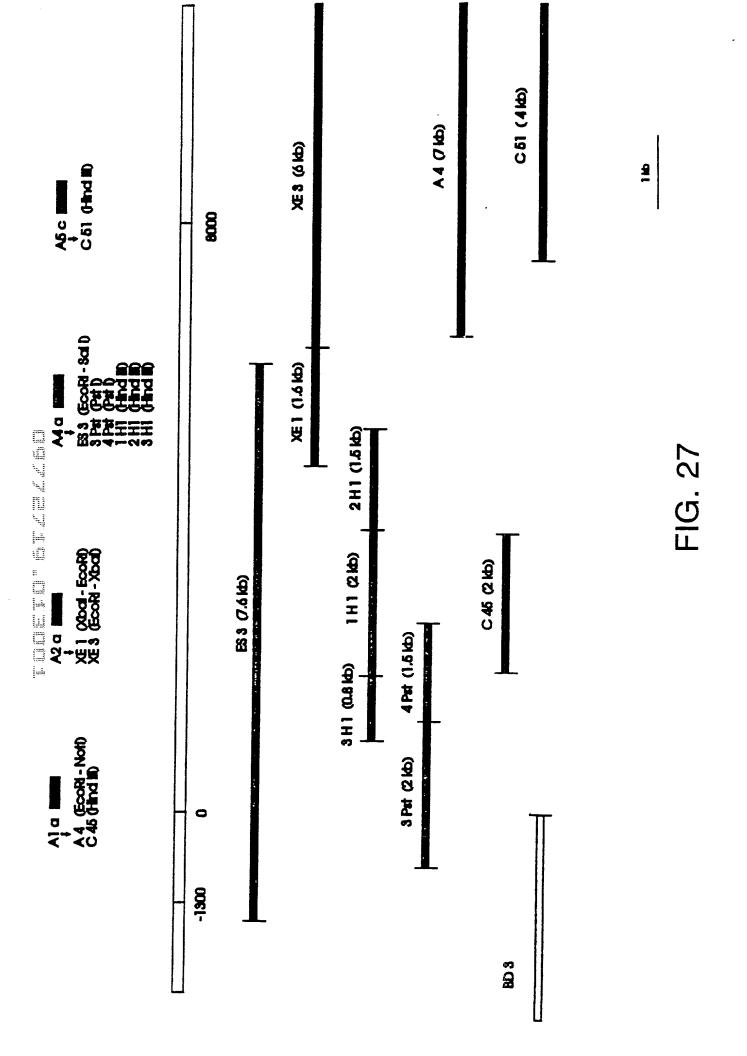
-146 AGCTTTGGTA TGGGGGAGAG GGCACAGGGC CAGACAAACC TGTGAGACTT TGGCTCCATC
Inr

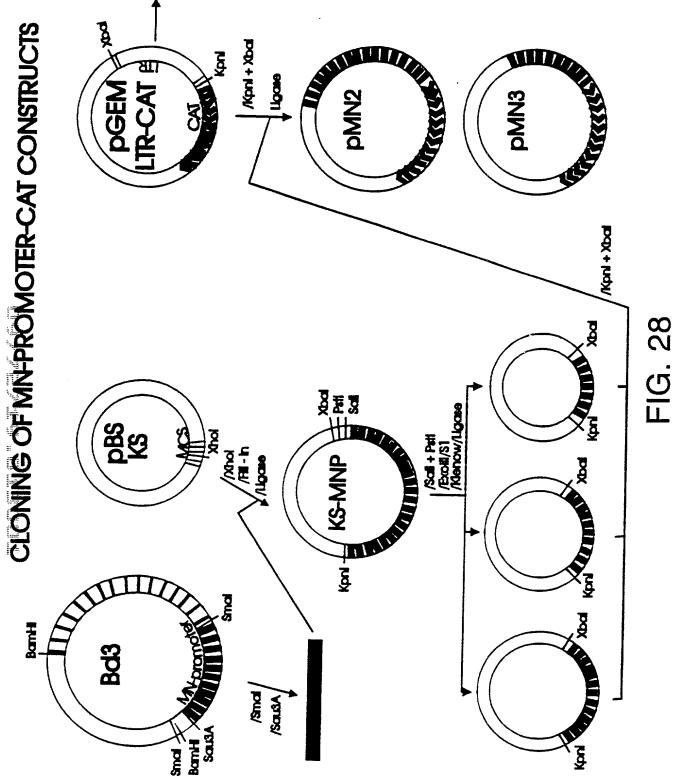
-86 TCTGCAAAAAG GGCGCTCTGT GAGTCAGCCT GCTCCCCTCC AGGCTTGCTC
AP1
\*\*\*

-26 CAGCTCTCGT TTCCAATGCA CGTACAGCCC GTACACACCG TGTGCTGGGA CACCCCACAG



FIG. 26





## STRUCTURE OF MN PROMOTER - CAT CONSTRUCTS

